



HC61

Handheld Computer

New Generation with robust performance and Android GMS Certified



Android



4G



WiFi



Bluetooth



1D Barcode



2D Barcode



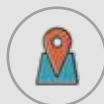
NFC



UHF



Camera



GPS

Specification

Physical Characteristics

Dimensions	202.0x72.5x32.0 mm / 7.95x2.85x1.26in.
Weight	390g / 13.76 oz.
Keypad	Main keyboard: 27 keys in total Side keys: 2 SCAN keys+2 volume keys +1 user-defined key
Battery	5200 mAh removable main battery, 5200 mAh optional pistol battery, Built-in 100 mAh backup battery Standby: over 300 hrs (only main battery) Continuous use: over 12 hours (depending on user environment) Charging time: 2.5 hours (charge device by standard adaptor and USB cable)
Speaker	Support
Vibrator	Support
Microphone	2 Microphones, 1 for noise reduction
Display	4-inch high definition full display, IPS LTPS 800*480
Touch Panel	Multi-touch panel, gloves and web hands supported
Sensor	Gravity sensor, proximity sensor, light sensor, accelerometer sensor, vibration motor
Indicator LED	Power, charging, status indicator
Card Slot	1 slot for SIM card, 1 slot for TF card
Interfaces	USB3.0, Type-C, OTG, extended thimble

Performance

CPU	Qualcomm 1.8 GHz Octa-core
RAM+ROM	3GB+32GB
Expansion	Supports up to 128 GB Micro SD card

Developing Environment

Operation System	Android 9.0 ; GMS, Android Enterprise, Zero-Touch, FOTA, SafeUEM supported
SDK	Software Development Kit
Language	Java
Tool	Eclipse / Android Studio

User Environment

Operating Temp.	-20°C to + 50°C
Storage Temp.	-40°C to + 70°C
Humidity	5% RH to 95% RH (non condensing)
Drop Specificaion	Multiple 1.8m / 5.9 ft. drops (can withstand impact on 6 sides) to the concrete across the operating temperature range
Tumble Specification	1000x0.5m / 1.64 ft. falls at room temperature
Sealing	IP65 per IEC sealing specifications
ESD	±15 KV air discharge, ±8 KV conductive discharge

Communication

WLAN	Support 802.11 a/b/g/n/ac/d/e/h/i/k/r/v, IPV4, IPV6; (2.4G/5G Dual frequency) Fast Roaming: PMKID caching, 802.11r, OKC; Secure Encryption: WEP, WPAWPA2-PSK(TKIP and AES), WAPI-PSK-EAP-TTLS, EAP-TLS, PEAP-MSCHAPv2, PEAP-LTS, PEAP-GTC, etc.
WWAN (Europe, Asia)	GSM900 & DCS1800 3G: WCDMA: B1/B8 4G: B1/B3/B7/B8/B38/B41
WWAN (America)	2G: 850/900/1800/1900 MHz 3G: 850/900/1900/2100 MHz 4G: B2/B4/B5/B7/B12/B17/B38
Bluetooth	Bluetooth 4.2/4.1+HS/4.0/3.0+HS/2.1+EDR
GPS	Integrated GPS/AGPS, GLONASS, BeiDou, Internal antenna

Data Collection

Camera

Rear Camera	Rear 13 MP Autofocus with flash
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NFC

Frequency	13.56 MHz
Protocol	ISO14443A/B, ISO15693, NFC-IP1, NFC-IP2, etc.
Chips	M1 card(550, S70), CPU card, NFC tags, etc.
Range	2-4 cm

UHF(Optional)

Engine	CM2000-1 module based on Impinj Indy R2000
Frequency	865-868 MHz / 920-925 MHz / 902-928 MHz
Protocol	EPC C1 GEN2 / ISO18000-6C
Antenna	Circular Polarized Antenna (4 dBi)
Power	1W (30 dBm, +5 dBm to 30 dBm adjustable) 2W Optional (33 dBm, for Lati America, etc.)
R/W Range	> 25 m (indoors); >15 m (open outdoors, Impinj MR6 tag)
Reading Rate	> 200 tags/s
Communication Mode	Pin Connector

* Ranges and rates depend on tags and environment

Barcode Scanning(optional)

2D Scanner	Zebra: SE4710
1D Symbologies	UPC/EAN, Code128, Code39, Code93, Code11, Interleaved 2 of 5, Discrete 2 of 5, Chinese 2 of 5, Codabar, MSI, RSS, etc.
2D Symbologies	PDF417, MicroPDF417, Composite, RSS, TLC-39, Datamatrix, QR code, Micro QR code, Aztec, MaxiCode; Postal Codes: US PostNet, US Planet, UK Postal, Australian Postal, Japan Postal, Dutch Postal (KIX), etc.

Optional accessories

Separate handle with one button;
Handle+battery (handle battery 5200 mAh, one button);
UHF back clip+battery (handle battery 5200 mAh, one button);
Wrist Strap; Charging Cradle

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帝商科技股份有限公司
REGAL SCAN TECH

台北 TEL:+886-2-2228-1000
台中 TEL:+886-4-2708-1000
台南 TEL:+886-6-311-4000
高雄 TEL:+886-7-380-5000

FAX:+886-2-2228-7070
FAX:+886-4-2708-4000
FAX:+886-6-311-6000
FAX:+886-7-380-6000

東莞 TEL:+86-769-8533-9439
昆山 TEL:+86-512-5745-3700
廈門 TEL:+86-512-5745-3700
FAX:+86-769-8533-9409
FAX:+86-512-5745-3703
FAX:+86-512-5745-3703

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